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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/699,650		10/30/2000	T. Paul Gaske	PD-990272	7749	
20991	7590	10/04/2004		EXAM	EXAMINER	
		ROUP INC	ARANI, TAGHI T			
PATENT DOCKET ADMINISTRATION RE/R11/A109 P O BOX 956			ART UNIT	PAPER NUMBER		
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				DATE MAILED: 10/04/200	4 ·	

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edemions of time may be windles where the provision of 37 CPR 1.35(a). In ne event, however, may a reply be timely filled Edemions of time may be windles where the provision of 37 CPR 1.35(a). In ne event, however, may a reply be timely filled If the period for reply a specified above its less than timy (30) days, a reply within the statutory minimum of thinky (30) days will be considered timely. If the period for reply a specified above its less than timy (30) days, a reply within the statutory minimum of thinky (30) days, will be considered timely. If the period for reply a specified above its less than timy (30) days, a reply within the statutory minimum of thinky (30) days will be considered timely. If the period for reply a specified above its less than timy (30) days, a reply within the statutory minimum of the days of the communication. Falsus to ruph within the set or extended period to reply unit, by adults, cause the application to become ABANCOKED (35 U.S.C. § 133), and an extended patent term adjustment. Set 27 CRR 1.704(b). Status 1) Responsive to communication(s) filled on 13 July 2004. 2a) This action is FINAL. 2b) This action is reply and the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-29 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-29 is/are pending in the application. 4a) Claim(s) 1-29 is/are pending in the application. 5) Claim(s) 1-29 is/are pending in the application. 6) Claim(s) 1-29 is/are pending in the application. 6) Claim(s) 1-29 is/are pending in the application. 7) The arrange of the proving the pending the correction requirement. Application Papers 9) The specification is objected to by the Examiner. Application Papers 9) The application is objected to be the proving the pending the drawing(s) is objected to See 37 CFR 1.121(d). 1		Application No.	Applicant(s)					
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2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-29 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-29 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: allowed accepted or bloody objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:	Status							
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DETAILED ACTION

Status of Claims

Claims 1-29 are pending in this office action.

Claim Rejections - 35 USC § 102

Claims 1-6, 10, 13-18 are rejected under 35 U.S.C. 102(a/e) as being anticipated by U.S. Patent No. 5,933,500 to Blatter et al. (prior art of record).

Referring to claim 1, Blatter et al. teach an apparatus for performing background caching of encrypted programming for later playback, comprising:

- a memory operatively connected to a bus for storing received, encrypted digital data packets of at least one pay-per-view (PPV) event [column 3, lines 26-28];
- a processor [DES decryption unit 50] for decrypting the data packets when they are transferred by said memory via said bus [figure 4, steps 515 and 520 and column 13, lines 59-61].
- a decoder for decoding said decrypted data packets for display on a display device [figure 1, AUDIO DECODER 80, VIDEO DECODER 85], and
- wherein the apparatus searches and caches data packets of said at least one PPV event without user intervention [see col. 4, lines 47-67, col. 1, lines 53-63, col. 4, lines 25-43, Blatter et al.'s user can program the receiver to receive and store a program for viewing at a later time, thus not intervening the searching and caching of data packets, thus Blatter does teach the functions of searching and caching performed by a PPV without user intervention] when in a power-down mode, and plays back a recorded PPV event in a power-up mode upon selection by a user [figure 2, Step 210].

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Referring to claim 2, Blatter et al. teach the apparatus according to claim 1, further comprising a recording device for digitally recording said encrypted digital data packets, and for transmitting said digitally recorded data packets to said memory [figure 1, STORAGE DEVICE 90].

Referring to claim 3, Blatter et al. teach the apparatus according to claim 2, wherein the recording device includes at least one mass storage device [figure 1, STORAGE MEDIUM 105].

Referring to claim 4, Blatter et al. teach the apparatus according to claim 3, wherein said mass storage device is at least one of a hard disc drive, magnetic storage device or optical storage medium [figure 1, STORAGE MEDIUM 105].

Referring to claim 5, Blatter et al. teach the apparatus according to claim 2, wherein said processor is a transport processor operatively connected to said bus and to an input port for receiving said encrypted digital data packets from said input port [figure 1, TRANSPORT SYSTEM 25].

Referring to claim 10, Blatter et al. teach the apparatus according to claim 5, wherein the transport processor provides an additional layer of conditional access for the encrypted digital data packets [column 9, lines 54-61].

Referring to claim 11, Blatter Eat al. teach the apparatus according to claim 1, wherein the data packets are time stamped upon reception [column 7, lines 19-23].

Referring to claim 12, Blatter et al. teach the apparatus according to claim 5,

wherein the data packets are time-stamped upon reception [column 7, lines 19 23], and

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• wherein the decoder and transport processor utilize the recorded time stamps to recreate the original

transmission timing of the encrypted digital data packets, only when the user selects a recorded PPV event for playback [column 7, lines 25-32].

Referring to claim 13, Blatter et al. teach the apparatus according to claim 1, wherein the memory stores encrypted digital data of a plurality of PPV events in repetition while the apparatus is in the power-down mode, and wherein the user only pays for those recorded PPV events that are selected for playback in the power-up mode [column 14, lines 30-35].

Referring to claim 14, Blatter et al. teach the apparatus according to claim 2, wherein said recording device is an external storage medium [figure 1, STORAGE DEVICE 901.

Referring to claim 15, Blatter et al. teach the apparatus according to claim 5, wherein the transport processor decrypts said encrypted digital data packets of the User-selected PPV event, and sends the decrypted data packets to said decoder via said interface [figure 1, DES DECRYPTION 50 and column 3, lines 33-43, column 4, lines 49-53].

Referring to claim 16, Blatter et al. teach the apparatus according to claim 15, wherein said decoder includes an MPEG AN decoder for decoding the video portion of said decrypted digital data packets, and an AC-3JMPEG audio decoder for decoding the audio portion of said decrypted digital data packets [figure 1, AUDIO DECODER 80, VIDEO DECODER 85].

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Referring to claim 17, Blatter et al. teach the apparatus of claim 16, further comprising a video encoder that converts the received video portion of the decrypted digital data packets to analog for display [column 3, lines 33-35].

Referring to claim 18, Blatter et al. teach the apparatus of claim 1, wherein the apparatus is configured as a set top box (STB) equipped with a digital video recorder [figure 1].

Referring to claim 19, Blatter et al. teach a method for background caching encrypted programming for later playback in a digital video recording (DVR) system, comprising:

- storing received, encrypted digital data packets of at least one pay-per-view (PPV) event in a memory [column 3, lines 26-28];
 - time-stamping the received data packets upon reception [column 7, lines 19-23];
- decrypting the data packets when they are transferred by said memory via a bus [figure 4, steps 515 and 520 and column 13, lines 59-61]; and
- decoding said decrypted data packets for display on a display device [figure 1,
 AUDIO DECODER 80, VIDEO DECODER 85],
- wherein said at least one PPV event is searched for, and its corresponding data packets are cached without user intervention [see col. 4, lines 47-67, col. 1, lines 53-63, col. 4, lines 25-43, Blatter et al. 's user can program the receiver to receive and store a program for viewing at a later time, thus not intervening the searching and caching of data packets, thus Blatter does teach the functions of searching and caching performed by a PPV without user intervention], when the DVR system is in a power-down mode [figure 2, Step 210], and

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• wherein a selected PPV event is played back when the DVR system is in a power-up mode, upon selection by a user [column 13, lines 5-9].

Referring to claim 20, Blatter et al. teach the method according to claim 19, wherein said step of storing is repeated for a plurality of PPV events when the DVR system is in said power-down mode (column 3, line 26].

Referring to claim 21, Blatter et al. teach the method according to claim 20, wherein the user only pays for those cached PPV events that are selected for playback in the power-up mode [column 14, lines 34-35].

Referring to claim 24, Blatter et al. teach the method according to claim 19, further comprising decrypting said encrypted digital data packets of the user-selected PPV event, wherein said decryption is performed in a transport processor operatively connected to said memory via said bus [figure 4, step 505, 510, and 515].

Referring to claim 25, Blatter et al. teach the method according to claim 19, wherein said step of decoding includes utilizing said recorded time stamps to recreate the original transmission timing of the encrypted digital data packets, only when the user selects a recorded PPV event for playback [column 7, lines 25-32].

Claim Rejections - 35 USC § 103

Claims 6-9, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blatter et al. in view of U.S. Patent No. 6,233,389 to Barton et al. (prior at of record).

Referring to claim 6, Blatter et al. teach the apparatus according to claim 5, further comprising:

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• said host processor directing said memory to transfer said encrypted digital data packets to be digitally recorded by said recording device [column 12, lines 2026]. Blatter et al. do not teach the apparatus according to claim 5, further comprising:

- a host processor operatively connected to said bus and said memory for performing graphics-user interface and browser functions,
- an interface for receiving said encrypted digital data packets from said transport processor, and for transferring said received encrypted digital data packets simultaneously to said memory via said bus, and to said decoder,
- said memory further including a buffer space for temporarily storing the encrypted digital data packets received from said interface, and
- said interface adapted to receive said digitally recorded data packets from said recording device via said memory and said bus [column 4, lines 21-22].

However, Barton et al. disclose the apparatus according to claim 5, further comprising:

- a host processor operatively connected to said bus and said memory for performing graphics-user interface and browser functions [column 4, line 6],
- an interface [Media Switch] for receiving said encrypted digital data packets from said transport processor, and for transferring said received encrypted digital data packets simultaneously to said memory via said bus, and to said decoder [column 3, line 67- column 4, line 2],
- said memory further including a buffer space for temporarily storing the encrypted digital data packets received from said interface [column 3, lines 6566], and

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• said interface adapted to receive said digitally recorded data packets from said recording device via said memory and said bus [column 4, lines 21-22].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barton et al.'s teaching of an interface and a graphics-user interface to the system and method of Blatter et al, such that Blatter et al.'s system would include a Media Switch module 102, figure 1 of Barton et al. within the TRANSPORT SYSTEM 25 and would display an on-screen display for searching a program. One would have been motivated to modify Blatter et al.'s system as such in order to provide for my ease and flexibility of program viewing.

Referring to claim 7, Blatter et al. as modified teach the apparatus according to claim 6, said interface being further adapted to transfer said digitally recorded data packets to said decoder [figure 7, MPEG decoder 715 and audio decoder 717 of Barton et al.].

Referring to claim 8, Blatter et al. as modified teach the apparatus according to claim 6, wherein said host processor searches a program guide to find upcoming PPV events, and, when said PPV event begins, the apparatus tunes to an appropriate transponder to begin receiving the encrypted digital data packets [column 3, lines 23-26 of Barton et al.].

Referring to claim 9, Blatter et al. as modified teach the apparatus according to claim 8, wherein the digital data packets include packetized audiovisual data [figure 3 of Barton et al.], system time data [PCRRS (column 7, lines 16-19)] and conditional access data [CAT (column 8, lines 35-37)].

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Referring to claim 22, Blatter et al. teach all limitations of claim 22 except the method wherein said searching includes searching a program guide to find upcoming PPV events, and, when said PPV event begins, the DVR system tunes to an appropriate transponder to begin receiving the encrypted digital data packets.

However, Barton et a1. disclose the method wherein said searching includes searching a program guide to find upcoming PPV events, and, when said PPV event begins, the DVR system tunes to an ;appropriate transponder to begin receiving the encrypted digital data packets [column 3, lines 23-26].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply Barton et al.'s teaching of a graphics-user interface and the ability search using the GUI to the system and method of Blatter et al, such that Blatter et al.'s controller 115 of figure 1 would display a searchable on-screen display for searching a program. One would have been motivated to modify Blatter et al.'s system as such in order to provide for my ease and flexibility of program viewing.

Referring to claim 23, Blatter et al. as modified teach the method according to claim 22, wherein said searching is performed by a host processor in the DVR system [column 4, lines 3-9 of Barton et al.].

Claims 26-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blatter et al. in view of U.S. Patent No. 5,850,218 to LaJoie et al (prior art of record).

Referring to claim 26, Blatter et al. teach a set-top box (STB) for performing background caching of encrypted programming for later playback, comprising:

• storing means for caching the received encrypted data packets for later playback [column 3, lines 38-39]; and

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• retrieval means for retrieving said data packets for display [figure 1, STORAGE DEVICE 90 and column 3, line 39-41],

- wherein the searching means searches and said storing means caches data packets of said at least one PFIV event without user intervention [see col. 4, lines 47-67, col. 1, lines 53-63, col. 4, lines 25-43, Blatter et al.'s user can program the receiver to receive and store a program for viewing at a later time, thus not intervening the searching and caching of data packets, thus Blatter does teach the functions of searching and caching performed by a PPV without user intervention] when the STB is in a power-down mode [figure 2, Step 210], and plays back a recorded PPV event when the STB is in a power-up mode [column 13, lines 5-9]. Blatter et al. do not teach a set-top box (STB) comprising:
- searching means for searching a program guide to find upcoming pay-per-view
 (PPV) events received as encrypted data packets.

However, LaJoie et al. disclose a set-top box (STB) comprising:

searching means for searching a program guide to find upcoming pay-per-view
 (PPV) events received as encrypted data packets [figure 13].

It would have been obvious to one of ordinary skill in the art at the time the invention was made to apply LaJoie et al.'s teaching of a searching means for searching a program guide to the system and method of Blatter et al., such that Blatter et al.'s system would display an on-screen display for searching a program guide. One would have been motivated to modify Blatter et al.'s system as such in order to allow the user to easily search an on-screen program guide.

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Referring to claim 27, Blatter et al. as modified teach the STB of claim 26, wherein said searching means and said storing means repeat searching and recording for a plurality of PPV events, said recorded plurality of PPV events being stored on an external storage medium for later playback [column 3, line 26].

Referring to claim 28, Blatter et al. as modified teach the STB of claim 26,

- wherein said encrypted digital data packets are time-stamped upon reception [column 7, lines 19-23], and
- wherein said retrieval means decrypts said encrypted digital data packets, uses the recorded time stamps to recreate the original transmission timing data of the data packets, and decodes the decrypted digital data packets for display on a display device [column 7, lines 25-32].

Referring to claim 29, Blatter et al. as modified teach the STB of claim 26, wherein a user only pays for those cached PPV events that are selected for playback in the power-up mode [column 14, lines. 34-35].

Conclusion

As per Applicant arguments relating to Blatter et al's reference stating "Blatter et al. disclose a system requiring a user to select the program that the user wishes to store.", the Examiner responds that although Blatter et al.'s syetem requires selection of the desired programs by user, but selecting the programs based on the user intervention is different from searching and caching the selected programs. That is, selected programs, in Blatter et al., are searched and cached (specified by PID in the header) without user intervention, see col. 4, lines 47-67, col. 1, lines 53-63, col. 4, lines 25-43. By reviewing

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the specification, the Examiner acknowledges caching all PPV events (i.e. no selection of particular events by user) which may be distinguishable over cited arts of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (703)305-4274. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (703) 305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Taghi T. Arani, Ph.D. Examiner
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